

### 30-1398: Anti-TCR beta Monoclonal Antibody (Clone:H57-597)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	H57-597
<b>Application :</b>	FACS, IP, IHC, IHC-Fr, ICC, Functional Assay
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Pik3cb
<b>Gene ID :</b>	74769
<b>Uniprot ID :</b>	Q8BTI9
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Pik3cb
<b>Isotype :</b>	Hamster IgG
<b>Immunogen Information :</b>	Affinity purified TCR from DO-11.10 T cell hybridoma

#### Description

The antigen-specific T cell receptor (TCR) is composed of either alpha and beta subunit, or gamma and delta subunit. Majority of T cells present in the blood, lymph and secondary lymphoid organs express TCR alpha/beta heterodimers, whereas the T cells expressing TCR gamma/delta heterodimers are localized mainly in epithelial tissues and at the sites of infection. The subunits of TCR heterodimers are covalently bonded and in the endoplasmic reticulum they associate with CD3 subunits to form functional TCR-CD3 complex. Lack of expression of any of the chains is sufficient to stop cell surface expression.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry** *Recommended dilution:* 1-2  $\mu\text{g/ml}$  per 1 million cells

**Immunoprecipitation** *Recommended dilution:* 1-2  $\mu\text{g}$  / 100-500  $\mu\text{g}$  of protein in 1 ml lysate

**Immunohistochemistry Immunohistochemistry (frozen sections) Immunocytochemistry Functional Application**

In vitro T cell stimulation; In vivo T cell depletion